St. Joseph's College

SUPPLEMENT

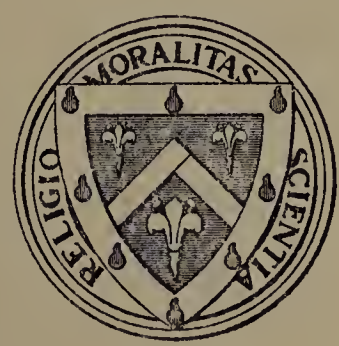
RENSSELAER

(COLLEGEVILLE P. O.)

INDIANA

Programs of Studies

Description of Courses



1942-43

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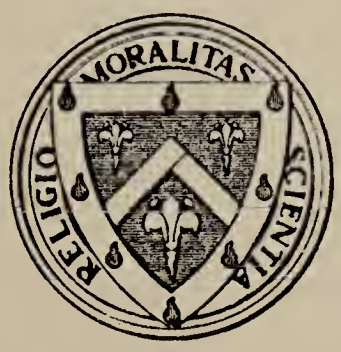


1942-43

DEPARTMENTS OF INSTRUCTION

I. Religion.

II. Philosophy and Education.
Divisions: Philosophy.
Education.

III. English.
Divisions: English.
Speech.
Journalism.

IV. Classical Languages.
Divisions: Greek.
Latin.

V. Modern Foreign Languages.
Divisions: French.
German.
Spanish.

VI. Science and Mathematics.
Divisions: Biology.
Chemistry.
Geology.
Physics.
Mathematics.

VII. Social Sciences.
Divisions: Accounting.
Business Administration.
Economics.
History.
Sociology.

VIII. Physical Education.

IX. Music.

Programs of Study

BACCALAUREATE OF ARTS — GENERAL PROGRAM

Freshman

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
English 105	2	English 106	2
Mathematics 101 or 103	3	Science 100	4
Economics or History 101	3	Economics or History 102	3
French (German, Spanish) 101	3	French (German, Spanish) 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		19
	20		

Sophomore

Religion 201	2	Religion 202	2
English 205	3	English 206	3
English 207	2	English 208	2
Philosophy 201	3	Philosophy 202	3
French (German, Spanish) 201	3	French (German, Spanish)	3
Science 200 A	4	Science 200 B	4
Economics or History 201	3	Economics or History 202	3
Physical Training	(2)	Physical Training	(2)
	20		20

Junior

Religion 301	2	Religion 302	2
English 301 or 303	3	English 302 or 304	3
Philosophy 301	3	Philosophy 302 or 303	3
Majors, Minors, Electives	12	Majors, Minors, Electives	12
	20		20

Senior

Majors, Minors, Electives	15	Majors, Minors, Electives	15

Note: The major and minor requirements of the Baccalaureate of Arts Degree as described in the General Catalog and Announcements demand 20 semester hours of credit in a given subject beyond the freshman year for the major; 12 for each minor. Unless otherwise specified the courses are elective in the three sequences. For a major in English, see the following program. For a major in Economics, these courses must be included: Econ. 101-2; 103; 105; 201-2; 301-2; Sociology 201-2 or 6 hours of American History.

BACCALAUREATE OF ARTS

Major: English. I Minor: French (German, Spanish). II Minor: Philosophy

Freshman

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 101	2	Religion 102	2
Philosophy 101	3	Philosophy 102	3
English 101	3	English 102	3
*English 105	2	*English 106	2
Mathematics 101 or 103	3	Science 100	4
Economics or History 101	3	Economics or History 102	3
French (German, Spanish) 101	3	French (German, Spanish) 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		
	20		20

Sophomore

Religion 201	2	Religion 202	2
English 205	3	English 206	3
*English 207	2	*English 208	2
Philosophy 201	3	Philosophy 202	3
French (German, Spanish) 201	3	French (German, Spanish) 202	3
Science 200 A	4	Science 200 B	4
*History or Sociology 201	3	*Sociology or Education 202	3
Physical Training	(2)	Physical Training	(2)
	20		20

Junior

Religion 301	2	Religion 302	2
English 301	3	English 302	3
English 303	3	English 304	3
Philosophy 301	3	Philosophy 302 or 303	3
French (German, Spanish) 301	3	French (German, Spanish) 302	3
*Journalism 322 or Education 301	3	*Journalism 323 or Education 302	3
*History 203	3	*History 204	3
Physical Training	(2)	Physical Training	(2)
	20		20

Senior

English 401	3	English 402	3
*English 450	2	*Education 305	3
*Journalism 422	3	*Journalism 423	3
*French (German, Spanish) 303	3	*French (German, Spanish) 450	2
*History 303	3	*History 304	3
*Philosophy 304 or 305	3		
	17		14

* Starred courses are elective.

PROGRAM OF JOURNALISM

Technical training in the fundamentals of journalism is relatively subordinate to the indispensable background subjects. Since a journalist to succeed, must have a broad training in the required subjects of a liberal education, students in the Division of Journalism take the full program of courses required for the degree of Bachelor of Arts. In their Junior and Senior years they receive a complete course in the theoretical and practical phases of journalism.

Freshman

Enroll for the Liberal Arts Program.

Sophomore

Enroll for the Liberal Arts Program.

Junior

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 301	2	Religion 302	2
English 301	3	English 302	3
Philosophy 301	3	Philosophy 302 or 303	3
Journalism 320	3	Journalism 321	3
Journalism 322	3	Journalism 323	3
*Philosophy 405	4	*Philosophy 406	4
History 203	3	History 204	3
Physical Training	(2)	Physical Training	(2)
	21		21

Senior

Journalism 420	3	Journalism 421	3
Journalism 422	3	Journalism 423	3
*English 401	3	*English 402	3
Electives	6	Electives	6
	15		15

BACCALAUREATE OF SCIENCE IN ACCOUNTING

Major: Accounting. I Minor: Economics. II Minor: Elective.

Freshman

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
Mathematics 101 or 103	3	Mathematics 108	3
Accounting 101	4	Accounting 102	4
Economics 101	3	Economics 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		18
	19		

Sophomore

First Semester	*Sem. Hrs.*
Religion 201	2
English 203	3
Philosophy 201	3
Economics 201	3
Accounting 201	3
Sociology 201 or Economics 103	3
*History or Spanish 101	3
Physical Training	(2)
	20

Second Semester	*Sem. Hrs.*
Religion 202	2
English 206	3
Philosophy 202	3
Economics 202	3
Accounting 202	3
Sociology 202 or Economics 105	3
*History or Spanish 102	3
Physical Training	(2)
	20

Junior

Religion 301	2
English 301 or 303	3
Philosophy 301	3
Accounting 301	3
Economics 303	3
Electives	6
Physical Training	(2)
	20

Religion 302	2
English 302 or 304	3
Philosophy 302 or 303	3
Accounting 302	3
Economics 304	3
Electives	6
Physical Training	(2)
	20

Senior

Accounting 405	3
Accounting 407	2
Accounting 409	2
Accounting 203	2
Economics 403	3
Electives	3
	15

Accounting 406	3
Accounting 408	2
Accounting 410	2
Economics 404	3
Electives	6
	16

* Starred courses are elective.

BACCALAUREATE OF SCIENCE IN BUSINESS ADMINISTRATION

Major: Economics. I Minor: Philosophy. II Minor: English.

Freshman

First Semester	*Sem. Hrs.*
Religion 101	2
Philosophy 101	3
English 101	3
Mathematics 101 or 103	3
Economics 101	3
Accounting 101	4
Orientation	1
Physical Training	(2)
	19

Second Semester	*Sem. Hrs.*
Religion 102	2
English 102	3
Philosophy 102	3
Mathematics 108	3
Economics 102	3
Accounting 102	4
Physical Training	(2)
	18

Sophomore

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 201	2	Religion 202	2
English 203	3	English 206	3
Philosophy 201	3	Philosophy 202	3
Economics 201	3	Economics 202	3
Sociology 201	3	Sociology 202	3
Economics 103	3	Economics 105	3
History 201 or Spanish 101	3	History 202 or Spanish 102	3
Physical Training	(2)	Physical Training	(2)
	20		20

Junior

Religion 301	2	Religion 302	2
English 301 or 303	3	English 302 or 303	3
Philosophy 301	3	Philosophy 302 or 303	3
Economics 305	3	Economics 306	3
Economics 307	3	Economics 308	3
*Economics 303	3	*Economics 304	3
History 303 or Spanish 201	3	History 304 or Spanish 202	3
Physical Training	(2)	Physical Training	(2)
	20		20

Senior

Economics 401	3	Economics 402	3
*Economics 403	3	*Economics 404	3
Electives	9	Electives	9
	15		15

* Starred courses are elective.

BACCALAUREATE OF PHILOSOPHY

Major: Philosophy. I Minor: Education or History. II Minor: English.

Freshman

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
History 101	3	History 102	3
Economics 101	3	Economics 102	3
Mathematics 101 or 103	3	Science 100	4
French (German, Spanish) 101	3	French (German, Spanish) 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		20
	21		

Sophomore

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 201	2	Religion 202	2
English 205	3	English 206	3
Philosophy 201	3	Philosophy 202	3
History 201	3	History 202 or Education 202	3
Science 200 A	4	Science 200 B	4
French (German, Spanish) 201	3	French (German, Spanish) 202	3
Physical Training	(2)	Physical Training	(2)
	18		18

Junior

Religion 301	2	Religion 202	2
English 301 or 303	3	English 302 or 304	3
Philosophy 301	3	Philosophy 302	3
Philosophy 304	3	Philosophy 303	3
Philosophy 405	4	Philosophy 406	4
History 203 or Education 301	3	History 204 or Education 302	3
Physical Training	(2)	Physical Training	(2)
	18		18

Senior

Philosophy 305	3	Philosophy 408	4
Philosophy 407	4	History 408 or Education 405	3
History 407 or Education 305	3	Electives	8
Electives	5		
	15		15

BACCALAUREATE OF SCIENCE

Freshman

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religon 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
Mathematics 101 or 103	3	Mathematics 102	3
Mathematics 105	3	Mathematics 106	4
Chemistry 101	4	Chemistry 102	4
French (German, Spanish) 101	3	French (German, Spanish) 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		
	22		22

Sophomore

Religion 201	2	Religion 202	2
English 205	3	English 206	3
Philosophy 201	3	Philosophy 202	3
Chemistry 201	4	Chemistry 202	4
Physics 201	5	Physics 202	5
Mathematics 201	4	Mathematics 202	4
Physical Training	(2)	Physical Training	(2)
	21		21

Junior

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religon 301	2	Religion 302	2
English 301 or 303	3	English 302 or 304	3
Philosophy 301	3	Philosophy 302 or 303	3
Chemistry 301	4	Chemistry 302	5
Physics 301 or 304	3 or 4	Physics 302	3
Mathematics 301	3	Mathematics 302	3
Physical Training	(2)	Physical Training	(2)
	18 or 19		19

Senior

Major, Minors, Electives	15	Major, Minors, Electives	15

Note: The above program is outlined for a major in Chemistry; I minor in either Physics or Mathematics; II Minor in either English or Philosophy. Students majoring or minoring in subjects different from the ones indicated, will make the proper readjustments. For a major in Geology, see the following program.

BACCALAUREATE OF SCIENCE

Major: Geology. I Minor: Physics or Chemistry.

Freshman

Religion 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
Mathematics 101 or 103	3	Mathematics 105	3
Biology 101	4	Biology 102	4
Chemistry 101	4	Chemistry 102	4
Orientation	1	German (French) 102	3
German (French) 101	3	Physical Training	(2)
Physical Training	(2)		22
	23		

Sophomore

Religion 201	2	Religion 202	2
English 205	3	English 206	3
Philosophy 201	3	Philosophy 202	3
Geology 101	4	Geology 202	4
Physics 201	5	Physics 202	5
German (French) 201	3	German (French) 202	3
Physical Training	(2)	Physical Training	(2)
	20		20

Junior

First Semester	*Sem. Hrs.*
Religion 301	2
English 301 or 303	3
Philosophy 301	3
Geology 201	3
Mathematics 109-10	3
Geology 203	3
Chemistry (Physics) 301	4 or 3
Physical Training	(2)
	21 or 20

Second Semester	*Sem. Hrs.*
Religion 302	2
English 302 or 304	3
Philosophy 302 or 303	3
Geology 302	3
Mathematics 109-10	3
Geology 204	3
Chemistry (Physics) 302	4 or 3
Physical Training	(2)
	21 or 20

Senior

Geology 401	3
Geology 403	1
Electives	12
	16

Geology 402	3
Geology 404	1
Electives	12
	16

PRE-MEDICAL PROGRAM

The absolute minimum of collegiate credit required for entrance to medical schools and colleges that are members of the American Medical Association is two full academic years of college work, which must include English, theoretical and practical courses in physics, biology, and general and organic chemistry, completed in institutions on the approved list of the Association. These two years represent the absolute minimum, and those who rely upon such a minimum of preparation will in most cases find themselves at a disadvantage in their medical school among students better prepared. Pre-medical students, therefore, should take at least three years; preferably they will take the full four-year course with biology and chemistry as the fields of concentration, but with attention given generously to liberal arts courses also.

Freshman

First Semester	*Sem. Hrs.*
Religion 101	2
English 101	3
Mathematics 101 or 103	3
Philosophy 101	3
Biology 101	4
Chemistry 101	4
Orientation	1
Physical Training	(2)
	20

Second Semester	*Sem. Hrs.*
Religion 102	2
English 102	3
Mathematics 105	3
Philosophy 102	3
Biology 102	4
Chemistry 102	4
Physical Training	(2)
	19

Sophomore

First Semester	*Sem. Hrs.*
Religion 201	2
English 205	3
Philosophy 201	3
Biology 201	3
Chemistry 201	4
Physics 201	5
French (German) 101	3
Physical Training	(2)
	23

Second Semester	*Sem. Hrs.*
Religion 202	2
English 206	3
Philosophy 202	3
Biology 202	3
Chemistry 202	4
Physics 202	5
French (German) 102	3
Physical Training	(2)
	23

Junior

Religion 301	2
English 301 or 303	3
Philosophy 301	3
Chemistry 301	4
Biology 303	4
Biology 409	2
French (German) 201	3
Physical Training	(2)
	21

Religion 302	2
English 302 or 304	3
Philosophy 302 or 303	3
Chemistry 302	4
Biology 304	4
Biology 410	2
French (German) 202	3
Physical Training	(2)
	21

Senior

Chemistry 410	5
Biology 405	4
Electives	6
	15

Chemistry 451	1
Biology 406	4
Electives	10
	15

THE PHYSICAL EDUCATION PROGRAM

Freshman

First Semester	*Sem. Hrs.*
Religion 101	2
English 101	3
Philosophy 101	3
Mathematics 101	3
English 105	2
Physical Education 101	4
Economics 101	3
Orientation	1
Physical Training	(2)
	21

Second Semester	*Sem. Hrs.*
Religion 102	2
English 102	3
Philosophy 102	3
Mathematics 108	3
English 106	2
Physical Education 104	4
Economics 102	3
Physical Training	(2)
	20

Sophomore

First Semester	*Sem. Hrs.*
Religion 201	2
English 205 or 203	3
Philosophy 201	3
Physical Education 201	3
Accounting 101 or Sociology 201	4 or 3
Economics 201	3
English 207	2
Physical Training	(2)
	20 or 19

Second Semester	*Sem. Hrs.*
Religion 202	2
English 206	3
Philosophy 202	3
Physical Education 200	3
Accounting 102 or Sociology 202	4 or 3
Economics 202	3
English 208	2
Education 202	3
Physical Training	(2)
	23 or 22

Junior

Religion 301	2
English 301 or 303	3
Philosophy 301	3
Physical Education 305	3
Education 301	3
Accounting 201	3
Physical Training	(2)
	17

Religion 302	2
English 302 or 304	3
Philosophy 302 or 303	3
Physical Education 302	3
Education 302	3
Education 305	3
Physical Training	(2)
	17

Senior

Physical Education 401	3
Physical Education 404	3
Education 450	2
Electives	7
	15

Physical Education 403	3
Physical Education 450	3
Electives	9
	15

TEACHER-PREPARATION PROGRAM

This program is intended to prepare a graduate to be able to meet the requirements of the State of Indiana concerning regular High School Teacher's License. The courses here set down meet the requirements both for graduation from Saint Joseph's and for securing licenses. A large number of courses are designated as electives in order to permit the student to choose those subjects in which he desires to secure a Teacher's License. Students registering for this course should prepare their program of electives only after consultation with the chairman of the Department of Education and Philosophy.

Freshman

Religion 101	2
English 101	3
Philosophy 101	3
Mathematics 101 or 103	3
Electives	9
Orientation	1
Physical Training	(2)
	21

Religion 102	2
English 102	3
Philosophy 102	3
Mathematics 105	3
Electives	9
Physical Training	(2)
	20

Sophomore

First Semester	*Sem. Hrs.*	Second Semester	*Sem. Hrs.*
Religion 201	2	Religion 202	2
English 205	3	English 206	3
Philosophy 201	3	Philosophy 202	3
Electives	12	Education 202	3
Physical Training	(2)	Electives	9
	20	Physical Training	(2)
			20

Junior

Religion 301	2	Religion 302	2
English 301 or 303	3	English 302 or 304	3
Philosophy 301	3	Philosophy 302 or 303	3
Education 301	3	Education 302	3
Electives	9	Electives	9
Physical Training	(2)	Physical Training	(2)
	20		20

Senior

Education 450	3	Education 305	3
Education 405	3	Electives	12
Electives	9		15
	15		

PRE-ENGINEERING PROGRAM

Freshman

Religion 101	2	Religion 102	2
English 101	3	English 102	3
Philosophy 101	3	Philosophy 102	3
Mathematics 103	3	Mathematics 102	3
Mathematics 105	3	Mathematics 106	4
Chemistry 101	4	Chemistry 102	4
German (French) 101	3	German (French) 102	3
Orientation	1	Physical Training	(2)
Physical Training	(2)		22
	22		

Sophomore

Religion 201	2	Religion 202	2
English 205	3	English 206	3
Philosophy 201	3	Philosophy 202	3
Mathematics 201	4	Mathematics 202	4
Mathematics 109-110	3	Mathematics 109-110	3
Physics 201	5	Physics 202	5
German (French) 201	3	German (French) 202	3
Physical Training	(2)	Physical Training	(2)
	23		23

PRE-PHILOSOPHY PROGRAM

Freshman

First Semester	*Sem. Hrs.*
Religion 103 (203) *	2
English 101	3
Economics 101	3
Latin 101 or 103, or 105 & 7	5
Greek 101 or 103	4 or 3
Mathematics 101	3
Orientation	1
English 105	2
Physical Training	(2)
	23 or 22

Second Semester	*Sem. Hrs.*
Religion 104 (204) *	2
English 102	3
Economics 102	3
Latin 102 or 104, or 106 & 8	5
Greek 102 or 104	4 or 3
Science 100	4
English 106	2
Physical Training	(2)
	23 or 22

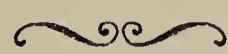
Sophomore

Religion 203 (103) *	2
English 205 or 401	3
English 207	2
Latin 201 & 5 or 103	5 or 4
Greek 201	3
Philosophy 301	3
Science 200 A	4
Physical Training	(2)
	22 or 21

Religion 204 (104) *	2
English 206 or 402	3
English 208	2
Latin 202 & 6 or 104	5 or 4
Greek 202	3
Philosophy 302	3
Science 200 B	4
Physical Training	(2)
	22 or 21

* Cycle courses.

Courses of Instruction



The 100 courses are designed primarily for freshmen; 200 courses for sophomores; 300 and 400 courses are for juniors and seniors. Freshmen may not register for any course above 200.

DEPARTMENT OF RELIGION

Reverend T. H. Grotenrath, Chairman

101. *Catholic Moral*

A thorough study of the principles of Catholic Morality. To this study is added extensive readings in the New Testament Scriptures.

Credit: two semester hours.

102. *Life Problems*

Personal spiritual progress. The choice of a vocation. Marriage and home. Social and civil relations. Continued readings in Sacred Scripture. *Credit: two semester hours.*

103 - 104. *Creation, Incarnation, Redemption*

The creation of the spiritual world; the creation and fall of man; the Person, Nature, and Office of the Redeemer; the nature and effects of grace. *Credit: four semester hours.*

201-2. *Apologetics*

Natural Apologetics: Existence of God; spirituality and immortality of of the soul; the insufficiency of natural religion.

Christian Apologetics: Signs of revelation; historical value of the Gospels; the Divinity of Christ.

Catholic Apologetics: Founding of the Church; characteristics of the Church; infallibility; constitution of the Church.

Credit: four semester hours.

203-4. *Sacraments — Moral*

The institution, efficacy, matter and form of the sacraments. The principles of Catholic Morality. *Credit: four semester hours.*

301-2. *Dogma*

The Divine Essence and Attributes; the Mystery of the Trinity; the Origin of Man; Gifts and Fall of our First Parents; the Angels. Redemption, Incarnation, Sanctification. The End of Man.

Credit: four semester hours.

DEPARTMENT OF PHILOSOPHY AND EDUCATION

Reverend Walter T. Pax, Chairman

DIVISION OF PHILOSOPHY

101. *Introduction to Philosophy*

The course acquaints the student with the scope, terminology, and Problems of Scholastic Philosophy, and furnishes him with a brief view of other strains of thought in the light of Aristotelian-Thomistic principles.

Credit: two semester hours.

102. *Ethics*

A fundamental course in individual and social ethics. The nature of the human act and the moral law; conscience; rights and duties; application of ethics to modern social problems.

Credit: three semester hours.

201. *General Psychology*

The nature of mental states and processes; stimulus and response and human behavior; emotional life and volitional acts; the driving forces of human nature and their adjustment. *Credit: three semester hours.*

202. Ontology

Being in general; potentiality and actuality; essence and existence; the transcendental properties of being; substance and accident; causality.

Credit: three semester hours.

301 - 302. *Logic and Scientific Method*

A fundamental course in deductive and inductive logic, with special emphasis on the application of logic to scientific observation and experiment. *Credit: six semester hours.*

303. *Epistemology*

The nature of truth and error; the sources of truth; consciousness, the external senses, reason; the value and validity of human testimony.

Credit: three semester hours.

304. *Cosmology*

The constitution and properties of bodies; the nature of space and time; the laws of nature, their reality and necessity; the origin of the world. *Credit: three semester hours.*

305. Theodicy

The proofs of the existence of God; His nature, attributes, and operations; His knowledge and free will; His Providence. *Credit: three semester hours.*

405. *History of Philosophy*

A survey of the history of philosophy from ancient times to Descartes. *Credit: four semester hours.*

406. *History of Philosophy*

A survey of the history of philosophy from Descartes to the present day. *Credit: four semester hours.*

407. *History of American Philosophy*

A servey of Philosophy in America from Colonial times to the Twentieth Century. *Credit: four semester hours.*

408. *Contemporary Philosophy*

A comparative view of the main philosophical trends of the present era. *Credit: four semester hours.*

DIVISION OF EDUCATION

201. *General Psychology*

A study of human instincts, capacities and mental traits followed by man behavior; emotional life and volitional acts; the driving forces of human nature and their adjustment. *Credit: three semester hours.*

202. *Educational Psychology*

A study of human instincts, capacities and mental traits followed by analysis of problems of learning as met in the class room, with emphasis on the factors influencing the rate of learning and individual differences. *Credit: three semester hours.*

301. *Principles of Secondary Education*

A presentation of the aims and functions of high school education; special problems of guidance proper to this stage in students' develop-

ment; the general program of studies and the contribution of individual subjects to the needs of secondary pupils. The particular Catholic ideals of education stressed throughout the course.

Credit: three semester hours.

302. *Principles of Teaching in the High School*

A directive course in general methods of class room instruction; supervision of study; student guidance; lesson assignments, and related systems. *Credit: three semester hours.*

305. *History of Education*

An exposition of the development of school systems and educational theory. A review of early Christian education; medieval schools and methods; the growth of universities and scholasticism; modern ideas of universal popular education, and the organization of contemporary systems. *Credit: three semester hours.*

405. *High School Administration*

The duties of the high school principal and his immediate assistants; methods of administration and supervision of instruction; problems growing out of extra-curricular contacts and activities.

Credit: three semester hours.

450. *Student Teaching*

This course consists in the student's class room observation of teaching by experienced instructors and of personal practice teaching under the guidance of capable supervisors. *Credit: three semester hours.*

DEPARTMENT OF ENGLISH

Reverend Paul F. Speckbaugh, Chairman

DIVISION OF ENGLISH

All members of Freshman English will be required to pass a final examination during the last week of the second semester. Those who fail in this examination will not be admitted to the final course examination, and will be required to repeat Freshman English. The Department of English issues an obligatory reading list chosen for its cultural value. This reading list will form part of the matter for the regular examination.

101-2. *Rhetoric and Composition*

An obligatory course for all College Freshmen to promote the use of English as a tool in college work. Frequent exercises are required.

Credit: six semester hours.

203. *Business English*

A course designed to acquaint the students with the common forms and usages in commercial correspondence and reports. Fulfills English requirement only for students in the accounting or Bus. Ad. courses. *Credit: three semester hours.*

205. *Shakespeare*

A critical study of the major plays of Shakespeare. *Credit: three semester hours.*

206. *Catholic Literature*

This course, in harmony with the Catholic Literary Revival, builds up an understanding and appreciation of the richness of Catholic Literature in English. *Credit: three semester hours.*

301-2. *American Literature*

The major prose and poetry writers of American Literature are studied critically and historically. *Credit: six semester hours.*

303-4. *Survey of English Literature*

A synthesis of English Literature and a literary history which stresses the relations of literary movements. *Credit: six semester hours.*

305. *English Drama until* 1642

The origin and development of the English Drama. Investigation of representative playwrights. *Credit: three semester hours.*

306. *Romanticism*

A critical study of the works of the Romantic Poets. *Credit: three semester hours.*

308. *Nineteenth Century Essay* *Credit: three semester hours.*

309-10. *Contemporary Literature* *Credit: six semester hours.*

401-2. *Literary Criticism*

The criticism of good literature based on the comparative study of literature with the other fine arts. *Credit: six semester hours.*

403-4. *The English Novel*

Beginning with an historical investigation, the student turns from this to a special consideration of the novelist of the nineteenth century. *Credit: six semester hours.*

405. *Chaucer*
Reading in the work of Chaucer and his contemporaries.
Credit: three semester hours.

406. *English Poetry*
By an emphasis of movements in literature the student learns an appreciation of the greatest poets and likewise an evaluation of the theories of poetic creation. *Credit: three semester hours.*

407. *The Art of the Short Story*
A study of the types of the short story and creative work.
Credit: three semester hours.

450. *The Teaching of English in Secondary Schools*
A study of the materials and methods of teaching English in the High School. *Credit: two semester hours.*

DIVISION OF SPEECH

105-6. *Public Speaking*
The aim of this course is to bring about a harmonious development of the student's expressive faculties through a study of the mental and emotional activities and their relation to voice and body.
Credit: four semester hours.

207-8. *Oratory*
In this course the student builds upon the foundation laid in 105-6. Frequent practice in reading, and the presentation of selections in prose and poetry as well as original speeches is a feature of this course.
Credit: four semester hours.

311-12. *Argumentation and Debate*
A practical study of argumentative discourse which takes in the methods of composition and oral presentation.
Credit: four semester hours.

DIVISION OF JOURNALISM

320. *Fundamental English*
A thorough review of English grammar and syntax to insure accuracy in writing and editing copy. Extensive theme work in the newspaper style. *Credit: two semester hours.*

321. *The Community Newspaper*

An analysis of the special services of the local newspaper — the community paper of the large city and the weekly and daily of the small town. Problems and opportunities in the country and in suburban areas are thoroughly estimated. *Credit: three semester hours.*

322. *News Writing and Reporting*

This course stresses news values and the sources of news; the gathering of materials, structure, and style in news stories; human interest stories; interviews. *Credit: three semester hours.*

323. *The Editorial Page*

A study of the aims and techniques of the editorial; editorial material, and all the features of the editorial page.
Credit: three semester hours.

420. *Editing*

Copy reading and rewriting, head-line writing, the style sheet; proof reading, layout, syndicate material, and type and printing.
Credit: three semester hours.

421. *Newspaper Management and Advertising*

A practical study of the business manager, the advertising manager, and their organizations, circulation and methods of promotion, the principles of advertising, its place in the economic world, market analysis, the human element in appeals, the advertising agencies, and the complete campaign. *Credit: three semester hours.*

422. *Feature Writing*

The technique of feature stories and special articles.
Credit: three semester hours.

423. *Ethics of Journalism and the Law of the Press*

An application of ethics to the professional press in the light of current problems and professional codes of ethics; a study of the law of libel, copyright, contracts, the freedom of the press, postal regulations and the press, official, professional, and legal advertising, and court procedure. *Credit: three semester hours.*

DEPARTMENT OF CLASSICAL LANGUAGES

Reverend Anthony B. Paluszak, Chairman

DIVISION OF GREEK

101 - 102. *Introductory Greek*

This course is intended for those students who did not have a course of Greek in the high school. The first semester will be devoted to the study of inflections and the rules of syntax, while the second semester will be given over to the reading of selections from Xenephon's *Anabasis.* Weekly written exercises from English to Greek during both semesters. Six periods per week. *Credit: ten semester hours.*

103 - 104. *Xenophon*

Books III and IV of the *Anabasis* and selections from the *Cyropaedia* are translated. Weekly written exercises from English and Greek.
Credit: six semester hours.

Prerequisite: 2 units of high school Greek or equivalent.

105. *The Attic Orators*

Selected orations of Lysias and Demosthenes. Greek prose composition.
Credit: three semester hours.

106. *Homer*

Books I - IV of the *Iliad* are translated. Greek prose composition.
Credit: four semester hours.

201 - 202. *New Testament Greek*

The Gospel of St. Luke and selections from the Acts of the Apostles are translated. Weekly exercises from English into Greek.
Credit: six semester hours.

203. *Plato*

Selected Readings. *Credit: three semester hours.*

301. *Greek Historical Prose*

Selected readings from Herodotus and Thucydides.
Credit: three semester hours.

302. *The Greek Drama*

One play of Euripides and one of Aristophanes.
Credit: three semester hours.

401. *Patristic Greek*

Selected readings from St. Chrysostom and St. Basil.

Credit: three semester hours.

404. *History of Greece*

A brief survey of the history of Greece, with particular reference to its contribution to Literature. *Credit: three semester hours.*

407. *Classical Civilization — Greece*

The successive types of Greek government; the artistic and intellectual accomplishments of the Greeks; and their influence upon later Western civilization. *Credit: three semester hours.*

DIVISION OF LATIN

101 - 102. *Introductory Latin*

A course designed to prepare students who have not taken Latin in high school. This course covers in one year the ground usually covered in two years of high school. Six periods per week.

Credit: ten semester hours.

103 - 104. *Intermediate Latin*

A course designed for students who present two years of Latin from the high school. The Catilinarian Orations and selections from Vergil's Aeneid form the subject matter of the course.

Credit: ten semester hours.

105 - 106. *Latin Prose Composition*

Graded exercises for translating from English into Latin.

Credit: two semester hours.

Prerequisite: 4 units of high school Latin or Latin 103 - 4.

107. *Horace*

Selected Odes, Epodes, Satires, and Ars Poetica.

Credit: four semester hours.

108. *Cicero*

Selections from the *De Amicitia, De Senectute,* and *Pro Archia.*

Credit: four semester hours.

201-202. *Livy*

Roman History, selections from Books 21, 22, 24, and 25.

Credit: eight semester hours.

204. *Patristic and Medieval Latin*

Selections from the writings of the Fathers of the Church. A study of Latin hymnody. *Credit: two semester hours.*

205 - 206. *Latin Prose Composition*

Continuation of Course 105-106. *Credit: two semester hours.*

301. *Vergil*

A study of the Aeneid, Eclogues, and Bucolics.
Credit: three semester hours.

302. *Cicero*

A study of the *Orator* or *De Oratore*. *Credit: three semester hours.*

305 - 306. *Advanced Latin Prose Composition*

Selections illustrating the more difficult points of Latin construction.
Credit: two semester hours.

401. *Tacitus and Sallust*

Selections from the *Agricola, De Germania,* and the Jugurthine War.
Credit: three semester hours.

402. The Roman Drama

A study of Plautus, Terence, and Seneca. *Credit: three semester hours.*

405. *History of Rome*

A survey of the history of Rome, with particular reference to its contribution to literature. *Credit: three semester hours.*

408. *Classical Civilization — Rome*

In this course Rome's rise, expansion, her merit as lawgiver and ruler, the causes of her downfall, and her contribution to later European civilization are discussed. *Credit: three semester hours.*

450. *The Teaching of Latin in Secondary Schools*

A study of the materials and methods in the teaching of Latin in the high school. *Credit: two semester hours.*

DEPARTMENT OF MODERN FOREIGN LANGUAGES

Reverend Joseph A. Hiller, Chairman

DIVISION OF FRENCH

101-2. *Introductory French*

Careful and thorough training in the fundamentals of French grammar. The reading objective stressed. *Credit: six semester hours.*

103-4. *College French*

Review of Grammar. Intensive and extensive reading.
Credit: six semester hours.

Pre-requisite: two years of High School French.

201-2. *Intermediate French*

Continuation of the reading objective of course 101-2. Intensive and extensive reading. Selected vocabulary and idioms. Explanation of the more difficult points of syntax.
Credit: six semester hours.

301-2. *French Conversation and Composition*

Conversations and discussions in French. Free composition. Prepared themes. Special stress is laid on the vocabulary of everyday life.
Credit: six semester hours.

303-4. *French Literature of the Sixteenth and Seventeenth Centuries*

Required readings from *Classiques Larousse* and anthologies.
Credit: six semester hours.

Offered in 1942-43.

401. *French Literature of the Eighteenth Century*

Required readings from *Classiques Larousse* and anthologies.
Credit: three semester hours.

402. *French Literature of the Nineteenth Century*

Required readings from *Classiques Larousse* and anthologies.
Credit: three semester hours.

403. *The Catholic Revival in Contemporary French Literature*
Credit: three semester hours.

450. *Methods of Teaching Modern Foreign Language*
Credit: two semester hours.

The 400 literature courses alternate with French 303-4.

DIVISION OF GERMAN

101 - 102. *Introductory German*

The principles of German grammar with frequent practice in reading and writing German so as to insure a ready knowledge of grammatical forms, syntax, and the more common idiomatic expressions. Written exercises twice a week. *Credit: six semester hours.*

201 - 202. *Intermediate German*

Review of grammar; difficult points of syntax. Selected readings from representative German authors. *Credit: six semester hours.*

301. *Composition and Conversation*

Reading and discussion of simple German selected texts. Further study of the principles of grammar and idiomatic expressions. Weekly written composition based on the texts read. *Credit: three semester hours.*

305 - 306. *History of German Literature*

A survey course of the history of German literature, with extensive collateral reading, and oral and written reports.
Credit: six semester hours.

405. *German Drama*

The development of the German drama, with emphasis on the plays of Goethe and Schiller. *Credit: three semester hours.*

406. *German Poetry*

The forms and types of German poetry, with an intensive study of Weber's Dreizehnlinden. *Credit: two semester hours.*

450. *The Teaching of German in Secondary Schools*

A study of the materials and methods in the teaching of German in the high school. *Credit: two semester hours.*

DIVISION OF SPANISH

101-2. *Introductory Spanish*

Drill in the basic grammatical principles with stress on reading and conversational ability. Written exercises required once a week.
Credit: six semester hours.

201. *Intermediate Spanish*

Rapid but thorough review of grammar together with an extensive application of the syntax of advanced grammar and idioms. Written exercises required once a week. *Credit: three semester hours.*

202. *Advanced Reading and Conversation*

Careful discussion of grammatical constructions met with in works of recognized Spanish authors. Discussions to be conducted largely in Spanish. *Credit: three semester hours.*

301-2. *Spanish Literature*

Survey of Spanish Literature from the beginning to the end of the seventeenth century with special emphasis on the authors and works of the classical period. *Credit: six semester hours.*

303-4. *Spanish Literature*

Survey of Spanish literature from the beginning of the eighteenth century to the present time, with emphasis on the literary revival of the nineteenth century. Alternates with 301-302.

Credit: six semester hours.

401-2. *Literature of Spanish America*

A thorough study of the most important writings of the various Spanish-American authors. Frequent written reports.

Credit: six semester hours.

DEPARTMENTS OF SCIENCE AND MATHEMATICS

Reverend Clarence J. Kroeckel, Chairman

100. *Science — Science Orientation*

A lecture-demonstration course without laboratory, covering the fields of physics, astronomy and chemistry. Three lectures and one demonstration period each week. *Credit: four semester hours.*

200A-200B. *Science — Science Orientation*

A lecture-demonstration course without laboratory, covering the fields of biology and geology. Three lectures and one demonstration period each week. *Credit: eight semester hours.*

NOTE: The above courses are intended for students of the Liberal Arts division and all those who wish to acquaint themselves with the general aspects of the physical world. These courses do not carry credit towards any major or minor sequence.

DIVISION OF BIOLOGY

101. *Introductory Zoology*

The fundamentals of animal biology, including a study of the cell, tissues, organ systems, metabolism, and reproduction. In the laboratory exercises, selected types from the various phyla are studied and dissected. Two lecture and two laboratory periods each week.

Credit: four semester hours.

102. *Introductory Botany*

The fundamentals of plant biology, including a study of the classification and structure of plants, a general physiological survey of plant life, evolution, heredity, and Mendelian laws.

Credit: four semester hours.

201 - 202. *Comparative Vertebrate Anatomy*

An intense study of the vertebrate type forms. The classification of vertebrates and the morphological relations of the various organs and systems receive the main emphasis. One lecture and two laboratory periods each week. *Credit: six semester hours.*

Prerequisite: Biology 101.

203 - 204. *Second Course in General Botany*

Includes the fundamental principles of plant morphology, physiology, and taxonomy. This course is the foundation for all advanced work in Botany. One lecture and two laboratory periods each week.

Credit: six semester hours.

Prerequisite: Biology 101 - 102.

205 - 206. *Taxonomy of Plants*

This course offers a study of the external morphology, identification, and classification of ferns, and the identification of trees in summer and winter condition. It includes field work and an introduction to herbarium methods. One lecture and two laboratory periods each week.

Prerequisite: Biology 102. *Credit: six semester hours.*

207 - 208. *Economic Plants*

A study of the usefulness of plants, treating especially: forest and textile plants, their products; the food plants; the sugar, fixed oil, aromatic, beverage yeilding, and medicinal plants. One lecture each week.

Credit: two semester hours.

209 - 210. *Plant Ecology*

A study of the geographical distribution of plants and its causes. One lecture each week. *Credit: two semester hours.*

301 - 302. *Advanced Taxonomy of Plants*

A continuation of Course 206, this course treats of the morphology, identification, and classification of grasses and seed plants, with field work and herbarium methods. One lecture and two laboratory periods each week. *Credit: six semester hours.*

Prerequisite: Biology 205 - 206.

303. *Embryology*

A study of comparative vertebrate embryology, including mitosis, oogenesis, spermatogenesis, segmentation and formation of germ layers and organs developing therefrom. Two lectures and two laboratory periods each week. *Credit: four semester hours.*

Prerequisite: Biology 201 - 202.

304. *Animal Histology*

A microscopic study of vertebrate tissues. The student is introduced to histological technique and required to make slides of various tissues. Two lectures and two laboratory periods each week.
Credit: four semester hours.

Prerequisite: Biology 201 - 202.

305. *History of Medicine in America*

A survey of developments and trends in American medicine, with a critical study of the present status of medicine in America.
Credit: two semester hours.

405 - 406. *Bacteriology*

A study of the structure, life activities, and classification of bacteria. The methods of preparation and study of cultures, isolation of organisms and examinations of infected tissues. Two lectures and two laboratory periods each week. *Credit: eight semester hours.*

Prerequisite: Biology 102.

407 - 408. *Physiology*

The fundamentals of vertebrate physiology, including a study of muscle and nerve tissue, haematology, cardiology, respiration, digestion, nutrition, glandular activity, and special sense organs. One lecture and two laboratory periods of three hours each. *Credit: eight semester hours.*
Prerequisite: Biology 303 - 304.

409 - 410. *Microtechnique*

Principles and practice in the preparation of animal and plant tissues for microscopic study. Two laboratory periods each week.

Credit: four semester hours.

Prerequisite: Biology 304.

450. *Methods of Teaching Biological Sciences in High School*

A study of the objectives, types of courses, methods of presentation, and materials employed in teaching Biology in High School.

Credit: two semester hours.

DIVISION OF CHEMISTRY

101. *General Chemistry*

The principles of fundamental chemistry together with a descriptive study of the non-metals. Three lectures and one laboratory period each week.

Credit: four semester hours.

102. *General Chemistry*

A continuation of Course 101. The metallic elements and their compounds are considered along with appropriate discussion on analytical chemistry. Three lectures and one laboratory period each week.

Credit: four semester hours.

Prerequisite: Chemistry 101.

201 - 202. *Organic Chemistry*

In this course the student is introduced to the study of compounds of carbon. The course is especially adapted for students preparing for the medical or dental profession. Two lectures and one double laboratory period each week for two semesters.

Credit: eight semester hours.

Prerequisite: Chemistry 102.

301. *Qualitative Inorganic Analysis*

This course deals with the methods and principles involved in determining what constituents are present in a given material. The analysis includes the detection of common metallic and non-metallic ions. Two lecture and two laboratory periods each week.

Credit: four semester hours.

Prerequisite: Chemistry 102.

302. *Quantitative Analysis*

A course devoted to fundamental operations in volumetric and gravimetric analysis. Two lectures and two three-hour laboratory periods each week. *Credit: five semester hours.*

Prerequisite: Chemistry 301.

305. *Advanced Quantitative Analysis*

Calibration of weights and volumetric instruments; analysis of ores; ferrous and non-ferrous alloys; colorimetric determinations; potentiometric titrations. One lecture and two double laboratory periods each week. *Credit: five semester hours.*

Prerequisite: Chemistry 302.

306. *Advanced Quantitative Analysis*

A continuation of Course 305. One lecture and two double laboratory periods each week. *Credit: five semester hours.*

Prerequisite: Chemistry 305.

405. *Advanced Organic Chemistry*

A continuation of Course 201-202, dealing with the more advanced phases of organic chemistry. Two lectures and one double laboratory period each week. *Credit: four semester hours.*

Prerequisite: Chemistry 201 - 202.

406. *Qualitative Organic Analysis*

A course to give the student a general idea of type reactions and the laboratory technique of their application to the identification of simple organic substances. One lecture and two laboratory periods each week. *Credit: three semester hours.*

Prerequisite: Chemistry 201 - 202.

407. *Physical Chemistry*

A study of the theoretical principles applicable to all branches of chemistry. Two lectures and one double laboratory period each week. *Credit: four semester hours.*

Prerequisites: Chemistry 102; Physics 201 - 202.

408. *Physical Chemistry*

A continuation of Course 407. Two lectures and one double laboratory period each week. *Credit: four semester hours.*

Prerequisites: Chemistry 407; Mathematics 201 - 202.

409. *Advanced Inorganic Chemistry*

A study of the rare elements. Radioactivity and atomic structure. Two lectures and one double laboratory period each week.

Credit: four semester hours.

Prerequisite: Chemistry 407.

410. *Biochemistry*

A study of the composition of organisms, of the food materials required by them, and of the chemical changes attending the transformation of these food materials into the substances composing these organisms. Two lectures, six hours laboratory, one semester.

Credit: five semester hours.

Prerequisites: Chemistry 201 - 202; Biology 101 - 102.

450. *Methods of Teaching Chemistry in Secondary Schools*

A study of the materials and methods of teaching chemistry in the high school. *Credit: two semester hours.*

Prerequisite: Chemistry 102.

451. *The Literature of Chemistry*

A course intended to acquaint the student with the literature of the science. *Credit: one semester hour.*

DIVISION OF GEOLOGY

101. *Physical Geology*

Geology, the science of the earth — weathering as a part of erosion — streams and valleys — subsurface water; lakes and swamps — glaciation — wind as a geologic agent — the sea — sedimentary rocks — igneous rocks and their mode of occurrence — volcanoes and volcanism — diastrophism and its effects — earthquakes; the earth's interior — metamorphism — the structure and history of mountains — land forms — mineral resources.

Three lectures and one double laboratory period each week.

Credit: four semester hours.

201. *Mineralogy*

General Physical properties of minerals: structure, cleavage, hardness, tenacity, properties depending on light. — Chemical mineralogy: instruments, reagents, methods of testing, tests for the elements — occurrence and uses of minerals. *Credit: three to five semester hours.*

202. *Historical Geology*

The nature of the evidence: a living record of the dead; the record in the rocks; the scale of geologic time. — Earth's changing features: Before the Cambrian; glimpses of Paleozoic landscapes; the Mesozoic world; the dawn of the recent; ice sculptures the final scene. — The pageant of life: Paleozoic life; the reign of reptiles, life of the Mesozoic; Cenozoic life, the age of mammals. — The coming of man: Man's geologic history. Three lectures and one laboratory period each week.

Prerequisite: Geology 101. *Credit: four semester hours.*

203. *Economic Geology*

History and Origin of Earth Materials: Earth Materials used by ancient man and their significance in modern life; general principles of the formation of mineral deposits. Metallic Earth Materials: Iron; ferro-alloy metals; copper; lead and zinc; gold and silver; tin; aluminum; minor metals. Three lecture periods each week.

Credit: three semester hours.

Prerequisites: Geology 101, Chemistry 101.

204. *Economic Geology*

Non-metallic Earth Materials; coal; petroleum and natural gas; structural materials; materials used chemically; materials of miscellaneous uses. Three lecture periods each week.

Credit: three semester hours.

Prerequisite: Geology 203.

302. *Geology — Petrology*

A study of the occurrence and characteristics of the common rocks, together with their field identification. Two lectures and one laboratory period each week. *Credit: three semester hours.*

Prerequisite: Geology 201-202.

401-402. *Geology — Paleontology*

The course includes paleobotany, invertebrate and vertebrate paleozoology. It is concerned with the morphology, classification, and geological significance of fossil plants and animals. Two lectures and the equivalent of one laboratory period each week.

Credit: six semester hours.

Prerequisites: Geology 202; Biology 101-102.

403-404. *Geology — History of Geology*

A course for the student interested in the historical development of the

science of Geology, and desiring to secure first-hand information concerning the origin of the principles upon which he depends in his own research. One lecture each week. *Credit: two semester hours.*

DIVISION OF PHYSICS

104. *Survey of Astronomy*

This course is intended to give a general knowledge of the astral bodies, their arrangement, and interrelation. Formation of clouds; weather conditions. Lectures are demonstrated through use of long-range telescope. *Credit: three semester hours.*

201 - 202. *College Physics*

Mechanics; heat magnetism; electricity; sound; and light. Three lecture and two laboratory periods each week for two semesters. Prerequisite: Mathematics 105. *Credit: ten semester hours.*

301 - 302. *Electrical Measurements*

Study and measurement of direct current; magnetic and electrical quantities. One lecture and two laboratory periods each week for two semesters. *Credit: six semester hours.* Prerequisites: Physics 201 - 202; Mathematics 201 - 202.

304. *Physical Optics*

A course in light. Interference; defraction; polarization; double refraction; optical rotation; spectroscopy and photometry. Two lecture and two laboratory periods each week. *Credit: four semester hours.* Prerequisite: Physics 201 - 202.

401. *Mechanics and Heat*

In this course on mechanics and heat stress is laid on the quantitative aspect of the subject and methods of applying these quantities to actual problems. Three lectures and two laboratory periods each week. Prerequisite: Mathematics 301. *Credit: four semester hours.*

403 - 404. *Introduction to Modern Physics*

A second course in general physics, with special emphasis on the recent developments. The phenomena of ionization and radiation are studied in particular. Two lecture and two laboratory periods each week for two semesters. *Credit: eight semester hours.* Prerequisite: Physics 301 - 302.

450. *The Teaching of Sciences in Secondary Schools*

A study of the materials and methods in the teaching of Science in the high school. *Credit: two semester hours.*

DIVISION OF MATHEMATICS

101. *Intermediate Algebra*

For students who have not sufficient background for college algebra. Review of fundamental operations, factoring and fractions, linear equations; systems of linear equations; exponents and radicals; quadratic equations; ratio; variation; proportion; logarithms; binomial theorem.
Credit: three semester hours.

102. *Solid Geometry*

For students who did not have a course in solid geometry in high school. The subject matter will be that presented in standard texts.
Credit: three semester hours.

103. *College Algebra*

For students offering three semesters of high school algebra. Fractions; quadratics; mathematical induction; complex numbers; permutations and combinations; probability; determinants; infinite series.
Credit: three semester hours.

105. *Plane Trigonometry*

Study of trigonometric functions; functions of any angle and identical relations among them; study of functions of related angles; solution of triangles; radian measure and inverse functions; identities and equations. *Credit: three semester hours.*

Prerequisites: Plane Geometry and Mathematics 101.

106. *Plane Analytic Geometry*

Coordinates and equations; straight line; circle; conic sections; transformation of coordinates; simplification of equations; polar coordinates.

Prerequisite: Mathematics 105. *Credit: four semester hours.*

108. *Mathematics of Finance*

Interest; discounts; averaging accounts; annuities; sinking funds and amortizations; depreciation; endowments; premiums for life insurance.
Credit: three semester hours.

201 - 202. *Differential and Integral Calculus*

Constants, variables, and functions; the derivative and its elementary application; differentiation of transcendental functions; integration and simple application of integrals; special methods of integration.
Credit: eight semester hours.

Prerequisite: Mathematics 106.

109 - 110. *Mechanical Drawing and Descriptive Geometry*

Care and use of instruments; geometric constructions; orthographic projections; technical sketching; perspective drawing. Mechanical Drawing

is held three double periods a week in the first semester and one double period in the second semester. Descriptive Geometry is held two double periods in the second semester: representation of points, lines, and planes; fundamental relations between points, lines, and planes; surfaces.

Credit: four semester hours in Mechanical Drawing.
two semester hours in Descriptive Geometry.

301. *Calculus*

A second course in calculus. Multiple integrals; Taylor's formula; series.
Credit: three semester hours.

Prerequisite: Mathematics 201 - 202.

302. *Differential Equations*

A study of differential equations from a practical viewpoint, combining the formal exercises of solving equations with the setting up of equations from physical problems. *Credit: three semester hours.*
Prerequisite: Mathematics 301.

401. *College Geometry*

An advanced course in plane geometry. Recommended for prospective high school teachers. *Credit: four semester hours.*

402. *Theory of Equations*

Complex numbers; roots of an equation; graphs; numerical equations; determinants; resultants and discriminants.
Credit: three semester hours.

Prerequisite: Mathematics 201 - 202.

403. *History of Mathematics*

History of the development of the various branches of mathematics from the earliest times to the present day. *Credit: two semester hours.*

450. *The Teaching of Mathematics in Secondary Schools*

A study of the materials and methods in the teaching of mathematics in the high school. *Credit: two semester hours.*

DEPARTMENT OF SOCIAL SCIENCES

Reverend Francis A. Hehn, Chairman

DIVISION OF ACCOUNTING

101 - 102. *Constructive Accounting*

A fundamental course of Accounting, including the study of the laws of debits and credits; books of original entry; posting; trial balance

forms; special journals; control accounts; opening and closing books; partner accounts; bank reconciliation; operating and financial and comparative statements; introduction to corporation accounting.
Credit: eight semester hours.

201 - 202. *Advanced Accounting*
A thorough investigation of the form and content of financial statements; tangible and intangible fixed assets; liabilities; analysis of statements; application of funds; consignments and joint ventures; factory accounts. *Credit: six semester hours.*
Prerequisite: Accounting 101 - 102.

203. *Machine Accounting*
A course in the use of adding machines, calculators and other modern office equipment, through actual practice. *Credit: two semester hours.*

301. *Advanced Accounting*
This course includes a study of corporation mergers and consolidations; consolidated statements; consignments; estate accounting; agencies and branches; contractors' accounts. *Credit: three semester hours.*
Prerequisite: Accounting 202.

302. *Auditing*
An analysis and verification of all records of assets, liabilities, net worth, income and expenses; also preparation of exhibits, certificates, audit reports and credit investigations. *Credit: three semester hours.*
Prerequisite: Accounting 301.

403 - 404. *Modern Accounting Systems*
A study of the application of accounting principles in detail to various types of industry. *Credit: four semester hours.*
Prerequisites: Accounting 202.

405 - 406. *Income Tax Accounting*
A study of the federal income tax laws; preparation of returns for individuals, partnerships, and corporations; federal estate and gift taxes.
Credit: six semester hours.
Prerequisite: Accounting 301.

407 - 408. *Cost Accounting*
An introductory course in cost accounting principles; specific order, process, standard and estimating cost systems; reports to executives.
Credit: four semester hours.
Prerequisite: Accounting 301.

409 - 410. *C.P.A. Problems*
A course intended to acquaint the student with the literature and problems of accountancy. *Credit: four semester hours.*
Prerequisite: Accounting 302.

DIVISION OF ECONOMICS

101. *Introductory Economics*

In this course are presented the fundamental facts and their analysis, underlying the production, consumption, exchange, and distribution of wealth. *Credit: three semester hours.*

102. *Current Economic Problems*

The tariff; money and banking; monopoly; labor unions; social legislation; public utilities; public finance; the business cycle; the agricultural problem; socialism. *Credit: three semester hours.*

103. *Economic Geography*

Resources and industries of the United States; food production and distribution; fundamentals of manufacturing; forest activities; machinery; shipbuilding; metal and chemical industries; trade routes.
Credit: three semester hours.

105. *Economic History of the United States*

A course dealing with the industrial expansion of the United States, with emphasis upon present-day conditions. *Credit: three semester hours.*

108. *Mathematics of Finance*

Interest; discounts; averaging accounts; annuities; sinking funds and amortizations; depreciation; endowments; premiums for life insurance.
Credit: three semester hours.

201 - 202. *Business Law*

An introduction to the study of business law, including contracts, sales, bailments, carriers, negotiable instruments, suretyship, agency, partnerships, corporation, insurance, estates, deeds, mortages, torts, and crimes.
Credit: six semester hours.

204. *Business Statistics*

An introduction to the use and manner of interpreting statistics, with particular reference to their value in the analysis of business.
Credit: three semester hours.

301 - 302. *Advanced Economics and Problems*

An intensive study of the theory of economics with its application to current economic problems. *Credit: six semester hours.*

303 - 4. *Advanced Business Law*

Credit: Six semester hours.

305 - 306. *Money and Banking*

The history of coinage; paper money; credit; savings banks; trust companies; commercial banks; history of U. S. banking, with emphasis upon the National Banking Act and the Federal Reserve System; recent banking legislation.

Credit: six semester hours.

307 - 308. *Business Organization and Management*

Types of business organization; principles of organization; office management; financial administration; personnel procedures; production management; marketing policies; cooperation in business; stabilization.

Credit: six semester hours.

401. *Insurance*

A study of the chief types of insurance, with special attention to life, accident, and fire insurance. *Credit: three semester hours.*

402. *Advertising*

This course deals with the methods and media of advertising. The personnel and organization of the advertising campaign.

Credit: three semester hours.

403 - 404. *Labor Problems and Labor Legislation*

Analysis of chief problems facing labor in this country; solutions offered by the union, by employers, and by the government; a study of the papal encyclicals in relation to these problems.

Credit: six semester hours.

450. *The Teaching of Social Science*

A course dealing with the materials and methods of teaching the social sciences in the high school. *Credit: two semester hours.*

DIVISION OF HISTORY

101. *Medieval History*

The main topics in this course are: The Migration of Nations; the Rise of the Papal States; the Holy Roman Empire; Feudalism; the Crusades; the Great Religious Orders; Scholasticism; the Avignon Period; the Western Schism. *Credit: three semester hours.*

102. *European Background to American History*

In this course attention is given to the social and political movements leading to an expansion of thought and activity ultimately culminating in the discovery and colonization of America.

Credit: three semester hours.

105. *Economic History of the United States*

A course dealing with the economic development of the United States with particular stress being placed upon present-day conditions.

Credit: three semester hours.

201-202. *European History,* 1815-1914

A social and political history of Europe since 1815; a history of Europe from the Era of Napoleon to the beginning of the Great War. The growth of democracy, nationalism and imperialism are given particular emphasis. *Credit: six semester hours.*

203. *United States History, Colonial Period*

The growth of the colonies is traced through the colonial period to the adoption of the American Constitution.

Credit: three semester hours.

204. *United States History, Middle Period*

This study deals with the evolution of political thought as expressed by the two great political parties, with the rise of American imperialism, and with the growth of sectionalism leading to the Civil War.

Credit: three semester hours.

205. *History of the Catholic Church*

Foundation of the Church; Early Persecutions; Early Heresies and Schisms; Constitution of the Church; Constantine and the Church. The Spread of Christianity through Europe, Asia Minor and Africa. The Early Councils. The Papacy and Temporal Power.

Credit: three semester hours.

206. *History of the Catholic Church*

The Medieval Church; the Papacy and European Political Developments. The Ecumenical Councils of the Church. The Greek Schism. The Western Heresy. The Heresies in England and Scotland.

Credit: three semester hours.

207. *History of the Catholic Church in the United States*

Early Missionaries. Beginnings of the Hierarchy in America; Establishment of Provinces and Dioceses; the Councils of Baltimore; Archbishop Carroll; the Parochial School Movement; the Church on the Frontiers; Missions among the Indians; Relation Between Church and State in America; the System of Catholic Education.

Credit: three semester hours.

301. *English History*

The Imperialism of Great Britain and its development of constitutional government are stressed in this course.

Credit: three semester hours.

303. *United States History,* 1860 - 1914

Beginning with the reconstruction after the Civil War this course lays stress on the country's industrial growth and later political development.

Credit: three semester hours.

304. *Recent World History,* 1914 —

In this course attention is centered on the Great War and problems arising out of the conflict. *Credit: three semester hours.*

403. *Constitutional History of the United States*

A study of the progressive interpretation of the American Constitution, against the background of political science.

Credit: three semester hours.

407. *Classical Civilization — Greece*

The successive types of Greek government, the artistic and intellectual accomplishments of the Greeks, and their influence upon later Western civilization are the points of emphasis in this course.

Credit: three semester hours.

408. *Classical Civilization — Rome*

In this course Rome's rise, expansion, control of the Mediterranean World, her merit as law-giver and ruler, the causes of her downfall, and her contribution to later European civilization are discussed.

Credit: three semester hours.

450. *The Teaching of History in Secondary Schools*

A study of the materials and methods of teaching History in the high school. *Credit: two semester hours.*

DIVISION OF SOCIOLOGY

201. *Principles of Sociology*

The nature, scope, and purpose of sociological study and its relations to other social sciences. Causes which affect the life of society; nature and analysis of various social groups. Fundamental social institutions: the family; the community; the school; the State; the Church.

Credit: three semester hours.

202. *Social Problems*

Present-day social problems. The social philosophy of the Catholic Church. The agencies She has developed in this country for dealing with these problems. *Credit: three semester hours.*

301. *The Family*

The family as the fundamental unit of society. The problems of the modern family as conditioned by economic, social, political, and religious factors. *Credits three semester hours.*

401. *Poverty and Relief*

An inquiry into the causes of poverty. Private and public relief agencies. The State and Church in a plan for the relief and prevention of poverty. *Credit: three semester hours.*

DEPARTMENT OF PHYSICAL EDUCATION

Reverend E. M. Roof, Chairman

101. *Introductory Biology*

See Biology 101.

Two lectures and two laboratory periods each week. *Credit: four semester hours.*

104. *Physiology of Exercise*

Anatomy and physiology of the neuromuscular system. Physiological study of training and fatigue. Three lectures and one laboratory period each week. *Credit: four semester hours.*

200. *Personal Hygiene and First Aid*

The purpose of this course is to give a thorough consideration of the essential details of the health of the human body and to increase practical application of he hygenic measures studied. Three lectures each week. *Credit: three semester hours.*

Prerequisite: Physical Education 101 - 104.

201. *Principles of Physical Education; Theory and Practice of Play*

Scope of the field of Physical Education and its relation to modern educational theory. Study of the principles which should govern the instructional, interscholastic, intramural, playday, and corrective programs. Three lectures each week. *Credit: three semester hours.*
Prerequisite: Physical Education 101 - 104.

300. *Applied Anatomy*

A study of the muscles and the muscular movement of the human body. Three lectures and one laboratory period each week. *Credit: four semester hours.*

Prerequisite: Physical Education 101 - 104.

302. *Coaching of Baseball and Track*
Three lectures each week. *Credit: three semester hours.*

305. *Gymnastic Exercises*
The theory and practice of callisthenics and other forms of gymnastic exercises. *Credit: three semester hours.*

401. *Coaching of Football and Basketball*
Three lectures each week. *Credit: three semester hours.*

403. *Organization and Administration of Secondary School Athletics and Physical Education Programs*
Three lectures each week. *Credit: three semester hours.*

404. *Intramural Programs*
Three lectures each week. *Credit: three semester hours.*

For courses 302, 401, 402, 403, 404, the courses Physical Education 101, 104, 200, and 300 are prerequisites.

450. *The Method of Teaching Physical Education*
Credit: two semester hours.

DEPARTMENT OF MUSIC

Reverend Robert B. Koch, Chairman

Equipment: The Music Department is housed in spacious quarters. There are sixteen piano and violin rooms, a large class room for lectures and class recitations, a choir room and a band and orchestra room. Lessons are given on all brass, wood, and string instruments.

THEORY

5 - 6. *Harmony*
A fundamental course in the study of chords and progressions.
Credit: two semester hours.

7 - 8. *Harmony*
Theoretical and applied harmony. *Credit: two semester hours.*
Prerequisite: Theory 6 and Piano 106 or equivalent.

9 - 10. *Counterpoint*
Strict counterpoint — four species.
Credit: two semester hours.

11 - 12. *Counterpart*

Florid counterpoint — fifth species, canon, fugue.

Credit: two semester hours.

Prerequisite: Theory 8 and 10.

13 - 14. *Composition*

Original composition. *Credit: two semester hours.*

Prerequisite: Theory 6, 8, 10 and 12.

15 - 16. *Orchestration*

A study of the character of instruments; scoring original composition and given melodies for band and orchestra.

Prerequisite: Theory 8. *Credit: two semester hours.*

17 - 18. *Form and Analysis*

A study of form for music; song, suite, sonata, symphony. Analysis of the works of masters. *Credit: two semester hours.*

Prerequisite: Theory 6, 8, 10, 12, 14.

19 - 20. *History and Appreciation*

A study of the development of music. Dividing composers into periods, nationalities, characteristic music. Practical appreciation of music by use of records and broadcasts of Indianapolis Symphony orchestra.

Credit: two semester hours.

23 - 24. *Gregorian Chant*

A study of the chant, its history and its theory. Practical exercises in singing chant. *Credit: two semester hours.*

31 - 32. *Technique of Teaching Music in High School*

A course for students in Education. A study of methods, literature, and problems of music organizations in High School.

Credit: two semester hours.

APPLIED MUSIC

All courses in applied music are graded courses. Courses in each section must be taken in succession, or the equivalent must precede.

105 - 106. *Piano*

Elementary Course. Technique: finger drills — major scales in one and two octaves. Study: Mathew's, Vols. I and II. First Study: Bach; Czerny. Representative Compositions: Gurlitt; Bilbro; Gaynor; Rolfe; Spaulding; etc. *Credit: two semester hours.*

107 - 108. *Piano*

Technique: scales, three or four octaves in major and one octave of easy minors. Studies: Czerny; Little Pishna; Bach; Hanon; Mathew's,

Vols. III and IV. Representative Compositions: Kuhlau; Schytte; Sartorio; Rolfe; Poldini; Merkel; Kullak; Kern; etc.

Credit: two semester hours.

109 - 110. *Advanced Piano*

Technique: Major and Minor scales — thirds and sixths. Contrary Motion: Short and broken arpeggios; accentuated triplets. Studies: Hanon; Mason — Touch and Technic; Bach — Short Preludes, and Two Part Inventions; Heller; Mathew's, Vols. V and VI. Representative Compositions: Beethoven, Sonata Op. 49; Grieg, Lyric Pieces; Schumann; Mendelssohn; Chopin, Mazurkas and Valses; Sinding; Rubenstein; etc. *Credit: two semester hours.*

111 - 112. *Advanced Piano*

Technique: Polyrhythmical scales in double octaves, thirds, and sixths. Arpeggios. Studies: Hanon; Bach; Etudes by the Masters; Mathew's Remaining Volumes. Representative Compositions: Beethoven; Mozart; MacDowell; Rachmaninoff; Chopin; Mendelssohn; Leschetizky; Liszt; Paderewski etc. *Credit: two semester hours.*

125 - 126. *Violin*

Elementary course for Violin. Technique: Open strings. Position. Left Hand and Wrist. Fingering intervals. Studies: Hohman, Practical Violin School, Books I and II. Scales and Major Keys. Sevcik. Representative Compositions: Wohlfahrt; Pleyel, Little Duets; Dancla; Offenbach; Burleigh; Bohm; Bloch; etc.

Credit: two semester hours.

127 - 128. *Violin*

Technique: Exercises for the third and fourth finger. Firm fingering. Long, short, and broken bow. Wrist actions. Studies: Major and minor scales in the first position. Hohman, Books III and IV. Advanced exercises in keys most used. Kayser, Op. 20; Mazas; Sevcik. Representative Compositions: Saengler, Op. 131; Sartorio, Six Original Compositions, Op. 4, 5, 6; Dancla, Melodic Studies; Bohm; Hofmann; Klingenfeld; etc. *Credit: two semester hours.*

129 - 130. *Advanced Violin*

Technique: Setting the hand for the positions. The art of shifting. Style of fingering. Clear, sweet tone. The swell. Staccato bow. Arpeggios. Sonata playing. Exceptional fingering. Common faults of exceptional fingering. Legato and staccato exercises. Studies: Scales and Chords in the higher positions. Gruenberg, Twenty-Four Studies in All Keys; Dancla, Op. 115; Gruenwald, Violin Etuden; Kayser, Progressive Studies; Schradieck, Books I and II; Laoureux, Vol. II. Representative Compositions: By all masters for the first five positions.

Credit: two semester hours.

131 - 132. *Advanced Violin*

Technique: Movement of the thumb and shifting. Harmonics. Shifts by wrist motion. Pizzicato, Vibrato. Tone colors. Acquiring a graceful style and mastering the bow. Public recitals and concerto playing. Major, minor and chromatic scales; double stops. Studies: Kruetzer; Dancla, School of Velocity; Mazas, Op. 36, Book II; Etudes Brilliantes; Zimbalist. Daily Exercises. Representative Compositions: DeBeriot; Paganini; Kreisler; Kubelic; Elman; Seitz; Sarasate; and others.

Credit: two semester hours.

135 - 136. *Cello*

For description of course see Applied Music 125 - 126.

Credit: two semester hours.

137 - 138. *Cello*

For description of course see Applied Music 127 - 128.

Credit: two semester hours.

139 - 140. *Advanced Cello*

For description of course see Applied Music 129 - 130.

Credit: two semester hours.

141 - 142. *Advanced Cello*

For description of course see Applied Music 131 - 132.

Credit: two semester hours.

145 - 146. *Viola*

For description of course see Applied Music 125 - 126.

Credit: two semester hours.

147 - 148. *Viola*

For description of course see Applied Music 127 - 128.

Credit: two semester hours.

149 - 150. *Advanced Viola*

For description of course see Applied Music 129 - 130.

Credit: two semester hours.

151 - 152. *Advanced Viola*

For description of course see Applied Music 131 - 132.

Credit: two semester hours.

155 - 156. *Bass Viol*

For description of course see Applied Music 125 - 126.

Credit: two semester hours.

157 - 158. *Bass Viol*

For description of course see Applied Music 127 - 128.

Credit: two semester hours.

165 - 166. *Brass or Reed Instruments*
Technique: Lip drills. Foundation for good tones. Reading and rhythmic ability. Scales and arpeggios. Studies: Rubank, Elementary Studies; Verdusen, Rhythmical Studies. Sight readings stressed. Scales in the most used keys. Easy solos, selected. *Credit: two semester hours.*

167 - 168. *Brass or Reed Instruments*
Technique: Lip drills. Speed. Endurance playing. The higher notes. Technique in scales and arpeggios. Studies: Better Tone Production. Advanced Speed. Double and Triple Tonguing. Polkas and Solo work.
Credit: two semester hours.

169 - 170. *Ensemble I — Concert Band*
Prerequisite: Applied Music 166 and 168 or equivalent.
Credit: one semester hour.

171 - 172. *Ensemble II — College Orchestra*
Prerequisite: Applied Music 126 and 128 or 166 and 168 or equivalent.
Credit: one semester hour.

175. *Voice Culture*
Principles of breathing. Exercises in fundamentals of tone production.
Credit: one semester hour.

176. *Voice Culture*
Ear training and sight singing. Class instruction.
Credit: one semester hour.

177 - 178. *Advanced Voice Culture*
Song interpretation. Technical development. Private instruction. (Special fees for this course and hours per week of instruction to be arranged through conference). *Credit: two semester hours.*

179 - 180. *Gregorian Chant*
Practical work in singing liturgical chant. Restricted course.
Prerequisites: One year of Latin and Applied Music 176 and 178 or equivalent. *Credit: two semester hours.*

181 - 182. *Ensemble III — Choir*
Careful recitation of Gregorian Chant; interpretation of *a capella* compositions of the old masters in Church music, and of the compositions of the foremost present day composers.
Credit: two semester hours.
Prerequisites: Applied Music 180 or equivalent.
Note: Membership in the College Choir is restricted to students registered for pre-philosophy.

183 - 184. *Ensemble IV — College Glee Club*

Members of the Glee Club receive training in singing and in the interpretation of music, and appear in public concert.

Credit: two semester hours.

Prerequisite: Applied Music 176 or equivalent.

Note: Membership in the College Choir excludes a student from membership in the College Glee Club.

185-186. *Liturgical Chant*

Instruction in the chant of the proper of the Mass. Required of all *non-choir* members in pre-philosophy.

Credit: two semester hours.

205 - 206. *Organ*

Fundamental course in organ. Technique: The pedal — the legato touch on the key board. Studies: Stainer Organ Method — Singenberger Studies. Exercises: Schneider Studies, Vol. I; Bach-Kraft, Short Preludes. The art of hymn playing; Preludes, Interludes, and Postludes by Rossini, Kern, Krekel and others.

Credit: two semester hours.

Prerequisite: Applied Music 108.

207 - 208. *Advanced Organ*

Technique: Pedal Studies by Nielson. Registeration. Schildknecht, and Whiting. Progressive Studies: Rinck; Kargelert; Stainer; Nevin; Schneider, Vol. II; Renner, Trios. Representative Compositions: Bach, Selected Preludes and Fugues; Batiste; Boellerman; Guilmant; Rheinberger; Mendelssohn, Sonatas; Merkel; Boslet; Faulkes; Carl; Barnes; Dethier; Yon; Borowski; etc. *Credit: two semester hours.*

301 - 302. *Special Organ*

This course especially intended for students in Education as a minor, to provide them with the ability to meet demands made of teachers in some localities. Studies: The old clefs; transposition; the art of accompanying the Gregorian Chant, Vespers, and other liturgical functions. Opportunity is offered of playing for complete services in the College Chapel. Response book for Church functions by Tonner. Compositions: Preludes, Postludes. The field of improvisation is especially stressed.

Credit: two semester hours.

Prerequisite: Applied Music 206.

Notice to Members of Ensembles: For purposes of determining merit or quality points in any of the four ensembles: report of satisfactory service entitles to two quality or merit points per semester hour.